

Contents Volume 12

No. 1

Marticorena, B., Hogan, A., DiMeo, K., Artzt and D. Bennett (New York, NY, U.S.A.)
Carbohydrate changes in pre- and peri-implantation mouse embryos as detected by a monoclonal antibody 1
Sinha and S.C. Lakhota (Varanasi, India)
Replication in *Drosophila* chromosomes. IX. Stimulation of initiation of polytene replication cycles in vitro by juvenile hormone 11
Löwkqvist, H., Emanuelsson and O. Heby (Lund, Sweden)
Effects of polyamine limitation on nucleolar development and morphology in early chick embryos 19
Škreb, V., Crnek and B. Durst-Živković (Zagreb, Yugoslavia)
Effect of various sera on cultured rodent embryonic shields 27
S. Setchenska, H.R.V. Arnstein and J.G. Vassilieva-Popova (Sofia, Bulgaria; London, U.K.)
Stimulation of adenylate cyclase activity by catecholamines and prostaglandins E during differentiation of rabbit bone marrow erythroid cells 33
Lough (Milwaukee, WI, U.S.A.)
Modulation of in vitro myogenesis by submillimolar concentrations of sodium butyrate 41
A. Brock, P.K. Trostle-Weige, M. Williams and M.V. Meistrich (Houston, TX, U.S.A.)
Histone and DNA synthesis in differentiating and rapidly proliferating cells in vivo and in vitro 47
Announcement
Contents of 'Development, Growth & Differentiation'
Vol. 24, Nos. 3, 4, 5

No. 2

Belsky and B.P. Toole (Boston, MA, U.S.A.)
Hyaluronate and hyaluronidase in the developing chick embryo kidney 61
G. Sekirina, M.N. Skobolina, S.G. Vassetzky and A.A. Bilinkis (Leningrad; Moscow, U.S.S.R.)
The fusion of oocytes of the starfish *Aphelasterias japonica*. I. Formation of cell hybrids 67
G. Vassetzky, G.G. Sekirina, M.N. Skobolina and A.A. Bilinkis (Moscow; Leningrad, U.S.S.R.)
The function of oocytes of the starfish *Aphelasterias japonica*. II. The capacity of cell hybrids for maturation and cleavage 73
C. Boucaut and T. Darribere (Paris, France)
Presence of fibronectin during early embryogenesis in amphibian *Pleurodeles waltlii* 77
S. Okada, K. Nomura and K. Yasuda (Kyoto, Japan)

Commitment to transdifferentiation into lens occurs in neural retina cells after brief spreading culture of the dissociated cells	85
S. Unten, H. Sakagami and K. Konno (Tokyo, Japan) DNA synthesizing activity during induced differentiation in mouse myeloid leukemia (M1) cells	93
P.A.S. Mourão, S. Pillai and P.V. Donnelly (Rio de Janeiro, Brazil; Houston, TX, U.S.A.) Sulfated glycosaminoglycans synthesized by fibroblast, smooth muscle and endothelium-like cells grown in culture	99
S. Bozzaro, R. Bernstein and S. Roseman (Martinsried bei München, F.R.G.; Baltimore, MD, U.S.A.) A plasma membrane factor inhibiting intercellular adhesion in <i>Polysphondylium pallidum</i>	109
B. Olszanska and B. Kludkiewicz (Jastrzebiec; Warszawa ul. Rakowiecka, Poland) The effect of transcription inhibitors on early development of the avian embryo	115
No. 3	
S.E. Zalik, N. Milos and I. Ledsham (Alberta, Canada) Distribution of two β -D-galactoside-binding lectins in the gastrulating chick embryo	121
B. De Petrocellis, A. Parente, L. Tomei and G. Geraci (Naples, Italy) An H1 histone and a protamine molecule organize the sperm chromatin of the marine worm <i>Chaeopterus variopedatus</i>	129
V. Sorsa (Helsinki, Finland) Interband fibrils of polytene chromosomes	137
S.E. Chang and J. Taylor-Papadimitriou (London, U.K.) Modulation of phenotype in cultures of human milk epithelial cells and its relation to the expression of a membrane antigen	143
I. Hori (Ishikawa-ken, Japan) Differentiation of myoblasts in the regenerating planarian <i>Dugesia japonica</i>	155
S. Pähler, A.-I. Ruusula, L. Abrahamsson, L. Odellstad and K. Nilsson (Uppsala and Uddevalla, Sweden) Kinetics and concentration effects of TPA-induced differentiation of cultured human neuroblastoma cells	165
S. Lövtrup and R. Perris (Umeå, Sweden) Instructive induction or permissive activation? Differentiation of ectodermal cells isolated from the axolotl blastula	171
K. Yasuda, K. Okuyama and T.S. Okada (Kyoto, Japan) The accumulation of δ -crystallin mRNA in transdermatination and transdifferentiation of neural retina cells into lens	177

No. 4

<i>S. Ciccarese, G. Orsini, S. Massari and G. Guanti (Bari, Italy)</i>		<i>E. Vivarelli, M. Conti, M. De Felici and G. Siracusa (Rome, Italy)</i>	271
Free H-Y antigen induces in vitro testicular differentiation of human XX embryonic indifferent gonads	185	Meiotic resumption and intracellular cAMP levels in mouse oocytes treated with compounds which act on cAMP metabolism	
<i>L.V. Belousov and I.I. Naumidi (Moscow, U.S.S.R.)</i>		<i>H. Emanuelsson and O. Heby (Lund, Sweden)</i>	277
Cell contacts and rearrangements preceding somitogenesis in chick embryo	191	Suppression of ribosomal gene expression in oocytes and nurse cells of a polychaete as a result of polyamine synthesis inhibition	
<i>R.J.W. de Wit and Theo M. Konijn (Leiden, The Netherlands)</i>		<i>P. Schaap, L. van der Molen and T.M. Konijn (Leiden, The Netherlands)</i>	279
Identification of the acrasin of <i>Dictyostelium minutum</i> as a derivative of folic acid	205	The organisation of fruiting body formation in <i>Dictyostelium minutum</i>	
<i>O. Mulner, J. Tso, D. Huchon and R. Ozon (Paris, France)</i>		<i>W.E. Wright and J. Aronoff (Dallas, TX, U.S.A.)</i>	287
Calmodulin modulates the cyclic AMP level in <i>Xenopus</i> oocyte	211	The suppression of myogenic functions in heterokaryons formed by fusing chick myocytes to diploid rat fibroblasts	
<i>R.J. Jacobs-Cohen, M. Spiegelman and D. Bennett (New York, NY, U.S.A.)</i>			299
T/T somite mesoderm is able to differentiate into cartilage in vitro	219		
<i>H. Mizoguchi and I. Yasumasu (Tokyo, Japan)</i>		No. 6	
Inhibition of archenteron formation by the inhibitors of prolyl hydroxylase in sea urchin embryos	225	<i>I. Guerrero and C. Alonso (Madrid, Spain)</i>	307
<i>R.A. Flickinger and R. Richman (Buffalo, NY, U.S.A.)</i>		Fractionation by micrococcal nuclease digestion of <i>Drosophila</i> embryo chromatin: isolation of a fraction enriched in two major nonhistone proteins	
Incorporation of deoxycytidine triphosphate and thymidine triphosphate into nuclear DNA in vitro during early and late S phase in frog embryos	233	<i>G. Sconzo, M.C. Roccheri, M. Di Carlo, M.G. Di Bernardo and G. Giudice (Palermo, Italy)</i>	
<i>S.M. Grabowski, J.D. Taylor and T.T. Tchen (Detroit, MI, U.S.A.)</i>		Synthesis of heat shock proteins in dissociated sea urchin embryonic cells	317
Induction of melanization in primary cultures of dermal cells from xanthic goldfish scale by adrenocorticotropic hormone and goldfish or red carp serum	239	<i>M. Schonberg, S.A. Morris, A. Krichevsky and J.P. Bilezikian (New York, NY, U.S.A.)</i>	
		The use of $[^{125}\text{I}]$ iodocyanopindolol as a specific probe for beta-adrenergic receptors in differentiating cultured rat skeletal muscle	321
No. 5		<i>W.R. Eckberg (Washington, DC; Woods Hole, MA, U.S.A.)</i>	
<i>H.A. Lewin and R.R. Dietert (Ithaca, NY, U.S.A.)</i>		The effects of quercetin on meiosis initiation in clam and starfish oocytes	
Monosaccharides define two immunodominant structures of chicken fetal antigen	245	<i>J. Vittek, G.G. Gordon, S.C. Rappaport, P.R. Munnangi and A.L. Southren (Valhalla, NY, U.S.A.)</i>	329
<i>R. Gambari, G. Raschellà, M. Tripodi, M.G. Farace and A. Fantoni (Ferrara, Rome and Casaccia, Italy)</i>		Phenytoin effect on the proliferation of rat oral epithelium is mediated by a hormonal mechanism	
Desferrioxamine inhibits induced erythroid differentiation of human leukemic K-562 cells	249	<i>N. Milos and S.E. Zalik (Edmonton, Canada)</i>	335
<i>W.M.A.M. van Dongen, A.F.M. Moorman and O.H.J. Destree (Amsterdam, The Netherlands)</i>		Calcium-independent adhesion of extra-embryonic endoderm cells from the early chick blastoderm is inhibited by the blastoderm β -D-galactoside-binding lectin and by β -galactosidase	
The accumulation of the maternal pool of histone H1A during oogenesis in <i>Xenopus laevis</i>	257	<i>Contents of 'Development, Growth & Differentiation'</i> Vol. 24, No. 6; Vol. 25, Nos. 1, 2	341
<i>B. Herve, E. Jacquemin and B. Lescure (Bobigny and Paris, France)</i>		<i>Contents Volume 12</i>	349
Endogenous nuclease activity in chick embryo lens cells	265	<i>Author Index</i>	351
		<i>Subject Index</i>	353
			356